

**STATEMENT OF WORK
Pond (378)
Wyoming**

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

DESIGN

Deliverables:

1. Design survey
 - a. Profile along centerline of dam and emergency spillway
 - b. Profile and alignment of conduits and principal spillway
 - c. Cross section on dam and emergency spillway
 - d. Basin topography to the extent needed for design
 - e. Foundation and soils investigation
 - f. Drainage area
 - g. Possible borrow areas
2. Design documentation that will demonstrate that the criteria in NRCS practice standard have been met and are compatible with other planned and applied practices.
 - a. Practice purpose(s) as identified in the conservation plan.
 - b. List of required permits to be obtained by the client.
 - c. Impacts on adjacent properties and structures.
 - d. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06).
 - e. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Geology and Soil Mechanics (NEM Subpart 531a)
 - ii. Hydrology/Hydraulics
 - iii. Stage-storage data
 - iv. Structural including hazard class as appropriate
 - v. Quantity computations
 - vi. Records indicating NRCS obligations regarding State and Federal regulations have been met, including NEPA requirements
 - vii. Record of determination of hazard classification (see NEM 520.23)
 - viii. Vegetation
2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
 - a. Plan, profile and maximum cross section of embankment and emergency spillway
 - b. Profile along centerline of principal spillway and drawdown conduit
 - c. Stage-storage data
 - d. Drainage area
 - e. Location map
 - f. Spillway hydraulics
 - g. Structural layout and details
 - h. Table of quantities
 - i. Borrow areas
 - j. Fill material and compaction requirements
3. Design Report and Inspection Plan as appropriate (NEM Part 511, Subpart B Documentation, 511.11 and Part 512, Subpart D Quality Assurance Activities, 512.30 through 512.32).
4. Operation and Maintenance Plan
5. Certifications that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03(b)(2)).
6. Design modifications during installation as required.

INSTALLATION

Deliverables

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1. Pre Installation conference with client and contractor.
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications including applicable layout notes.
 - a. Centerline and slope stakes for the embankment pond and emergency spillway
 - b. Grade and alignment stakes for conduits and principal spillway
 - c. Slope stakes for cutoff trench and drains
4. Installation inspection (according to inspection plan as appropriate).
 - a. Actual materials used.
 - b. Inspection records
 - c. Profile and cross section of cutoff trench
 - d. Dimensions, number and materials used for anti-seep collars
 - e. Profile along centerline of completed embankment and emergency spillway
 - f. Cross section of embankment and spillway
 - g. Dimensions, elevations, materials of principal spillway and drawdown conduits.
 - h. Size, type and model of all valves, gates, hoists, and other appurtenances
 - i. Material test results
5. Facilitate and implement required design modifications with client and original designer.
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
7. Certification that the installation process and materials meets design and permit requirements.

CHECK OUT**Deliverables**

1. As-Built documentation.
 - a. Extent of practice units applied
 - b. Drawings
 - c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Subpart A, 505.03(c)(1)).
3. Progress reporting.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Pond, 378.
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook

Note: *State-Specific references may be added as appropriate.*